

State of Tennessee
 Department of Environment and Conservation
 Division of Air Pollution Control
 William R. Snodgrass Tennessee Tower
 312 Rosa L. Parks Avenue, 15th Floor
 Nashville, TN 37243
 Telephone: (615) 532-0554



APC 100

NON-TITLE V PERMIT APPLICATION FACILITY IDENTIFICATION

| | | | | |
|--|----------------------------|----------------------------|---|----------------------------|
| Please type or print and submit in duplicate for each emission source. Attach appropriate source description forms. | | | | |
| SITE INFORMATION | | | | |
| 1. Organization's legal name Tennessee Department of Safety and Homeland Security | | | For APC use only | APC Company point no. |
| 2. Site name (if different from legal name) UT Martin Radio Site | | | | APC Log/Permit no. |
| 3. Site address (St./Rd./Hwy.) 290 Moody Avenue | | | County name Weakley | |
| City or distance to nearest town Martin | | Zip code 38237 | 4. NAICS or SIC code 922120 | |
| 5. Site location (in lat./long.) | Latitude 36 20 23.51 N | | Longitude 88 51 35.45 W | |
| CONTACT INFORMATION (RESPONSIBLE PERSON) | | | | |
| 6. Responsible person/Authorized contact Stephen Philyaw | | | Phone number with area code 615-365-1664 | |
| Mailing address (St./Rd./Hwy.) 225 Ezell Pike | | | Fax number with area code 615-360-8033 | |
| City Nashville | State TN | Zip code 37217 | Email address stephen.philyaw@tn.gov | |
| CONTACT INFORMATION (TECHNICAL) | | | | |
| 7. Principal technical contact Stephen Philyaw | | | Phone number with area code 615-365-1664 | |
| Mailing address (St./Rd./Hwy.) 225 Ezell Pike | | | Fax number with area code 615-360-8033 | |
| City Nashville | State TN | Zip code 37217 | Email address stephen.philyaw@tn.gov | |
| CONTACT INFORMATION (BILLING) | | | | |
| 8. Billing contact TN Dept. of Safety/Homeland Security-Fiscal Services Division-Christine Tyus | | | Phone number with area code 615-251-5138 | |
| Mailing address (St./Rd./Hwy.) 1150 Foster Ave | | | Fax number with area code 615-253-2652 | |
| City Nashville | State TN | Zip code 37243 | Email address Christine.G.Tyus@tn.gov | |
| EMISSION SOURCE INFORMATION | | | | |
| 9. Emission source no. (number which uniquely identifies this source) 92-0161-01 | | | | |
| 10. Brief description of emission source One (1) 50KW Diesel Emergency Standby Generator, Cummins QSB5-G# NR3, Cummins 50DSFAC, Date of Manufacture: March, 2015 | | | | |
| 11. Normal operation: | Hours/Day Emergency Use | Days/Week Emergency Use | Weeks/Year Emergency Use | Days/Year Emergency Use |
| 12. Percent annual throughput | Dec. - Feb. 25% | March - May 25% | June - August 25% | Sept. - Nov. 25% |

(Over)

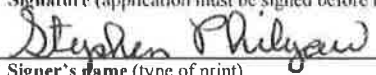
| TYPE OF PERMIT REQUESTED | | | | |
|---|---|---|---|--|
| 13. Operating permit (X) | Date construction started August, 2015 | Date completed 9-15-15 | Last permit no. 970242P | Emission source reference number 92-0161-01 |
| Construction permit () | Last permit no. | | Emission source reference number | |
| If you choose Construction permit, then choose either New Construction, Modification, or Location transfer | | | | |
| | New Construction () | Starting date | Completion date | |
| | Modification () | Date modification started or will start | Date completed or will complete | |
| | Location transfer () | Transfer date | Address of last location | |
| 14. Describe changes that have been made to this equipment or operation since the last construction or operating permit application: | | | | |
| None | | | | |
| SIGNATURE | | | | |
| Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application and any attached application(s) is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury. | | | | |
| 15. Signature (application must be signed before it will be processed) | | | Date | |
|  | | | 9-17-15 | |
| Signer's name (type of print) Stephen Philyaw | | Title Radio Systems Analyst | Phone number with area code 615-365-1664 | |

Table of Pollution Reduction Device or Method Codes

Note: For cyclones, settling chambers, wet scrubbers, and electrostatic precipitators; the efficiency ranges correspond to the following percentages:

High: 95-99+%, Medium: 80-95%, And Low: Less than 80%.

If the system has several pieces of connected control equipment, indicate the sequence. For example: 008*010.97%

If none of the below codes fit, use 999 as a code for other and specify in the comments.

| | | | |
|---|-----|---|-----|
| No Equipment..... | 000 | Limestone Injection - Dry..... | 041 |
| Activated Carbon Adsorption..... | 048 | Limestone Injection - Wet..... | 042 |
| Afterburner - Direct Flame..... | 021 | Liquid Filtration System..... | 049 |
| Afterburner - Direct Flame with Heat Exchanger..... | 022 | Mist Eliminator - High Velocity..... | 014 |
| Afterburner - Catalytic..... | 019 | Mist Eliminator - Low Velocity..... | 015 |
| Afterburner - Catalytic with Heat Exchanger..... | 020 | Process Change..... | 046 |
| Alkalized Alumina..... | 040 | Process Enclosed..... | 054 |
| Catalytic Oxidation - Flue Gas Desulfurization..... | 039 | Process Gas Recovery..... | 060 |
| Cyclone - High Efficiency..... | 007 | Settling Chamber - High Efficiency..... | 004 |
| Cyclone - Medium Efficiency..... | 008 | Settling Chamber - Medium Efficiency..... | 005 |
| Cyclone - Low Efficiency..... | 009 | Settling Chamber - Low Efficiency..... | 006 |
| Dust Suppression by Chemical Stabilizers or Wetting Agents..... | 062 | Spray Tower (Gaseous Control Only)..... | 052 |
| Electrostatic Precipitator - High Efficiency..... | 010 | Sulfuric Acid Plant - Contact Process..... | 043 |
| Electrostatic Precipitator - Medium Efficiency..... | 011 | Sulfuric Acid Plant - Double Contact Process..... | 044 |
| Electrostatic Precipitator - Low Efficiency..... | 012 | Sulfur Plant..... | 045 |
| Fabric Filter - High Temperature..... | 016 | Vapor Recovery System (Including Condensers, Hooding and Other Enclosures)..... | 047 |
| Fabric Filter - Medium Temperature..... | 017 | Venturi Scrubber (Gaseous Control Only)..... | 053 |
| Fabric Filter - Low Temperature..... | 018 | Wet Scrubber - High Efficiency..... | 001 |
| Fabric Filter - Metal Screens (Cotton Gins)..... | 059 | Wet Scrubber - Medium Efficiency..... | 002 |
| Flaring..... | 023 | Wet Scrubber - Low Efficiency..... | 003 |
| Gas Adsorption Column - Packed..... | 050 | Wet Suppression by Water Sprays..... | 061 |
| Gas Adsorption Column - Tray Type..... | 051 | | |
| Gas Scrubber (General: Not Classified)..... | 013 | | |

Table of Emission Estimation Method Codes

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|---|---|
| Not application / Emissions are known to be zero..... | 0 |
| Emissions based on source testing..... | 1 |
| Emissions based on material balance using engineering expertise and knowledge of process..... | 2 |
| Emissions calculated using emission factors from EPA publications No. AP-42 Compilation of Air Pollution Emissions Factors..... | 3 |
| Judgment..... | 4 |
| Emissions calculated using a special emission factor different from that in AP-42..... | 5 |
| Other (Specify in comments)..... | 6 |